

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/004374

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D241/44 C07D401/12 A61K31/498 A61P9/00 A61P25/00
A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 00/47577 A (COULTON STEVEN ; JOHNS AMANDA (GB); PORTER RODERICK ALAN (GB); SMITHKL) 17 August 2000 (2000-08-17) cited in the application claims 1,10,11	1-11
A	WO 02/051838 A (WELLER THOMAS ; CLOZEL MARTINE (CH); FISCHLI WALTER (CH); ACTELION PHA) 4 July 2002 (2002-07-04) cited in the application claims 1,6-8	1-11
A	WO 00/47580 A (COULTON STEVEN ; JOHNS AMANDA (GB); PORTER RODERICK ALAN (GB); SMITHKL) 17 August 2000 (2000-08-17) cited in the application claims 1,11-14	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the International search

14 July 2004

Date of mailing of the International search report

27/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/68609 A (FISCHLI WALTER ; ACTELION PHARMACEUTICALS LTD (CH); CAPPI MICHAEL (DE)) 20 September 2001 (2001-09-20) cited in the application claims 1,8-13	1-11
P,A	WO 2004/004733 A (WELLER THOMAS ; CLOZEL MARTINE (CH); FISCHLI WALTER (CH); ACTELION PHA) 15 January 2004 (2004-01-15) the whole document	1-11

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 8 and 10 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0047577	A	17-08-2000	AU 2804400 A	29-08-2000
			WO 0047577 A1	17-08-2000
			EP 1150977 A1	07-11-2001
			JP 2002536445 T	29-10-2002
			US 6699879 B1	02-03-2004
WO 02051838	A	04-07-2002	WO 02051232 A2	04-07-2002
			BR 0116505 A	03-02-2004
			CA 2431982 A1	04-07-2002
			CN 1481380 T	10-03-2004
			WO 02051838 A1	04-07-2002
			EP 1347967 A1	01-10-2003
			NO 20032905 A	24-06-2003
WO 0047580	A	17-08-2000	US 2004058912 A1	25-03-2004
			AU 2910600 A	29-08-2000
			WO 0047580 A2	17-08-2000
			EP 1144409 A2	17-10-2001
			JP 2002536447 T	29-10-2002
WO 0168609	A	20-09-2001	US 6596730 B1	22-07-2003
			AU 6011301 A	24-09-2001
			BR 0109200 A	03-06-2003
			CA 2402431 A1	20-09-2001
			CN 1416420 T	07-05-2003
			WO 0168609 A1	20-09-2001
			EP 1274687 A1	15-01-2003
			HU 0300207 A2	28-05-2003
			JP 2003527374 T	16-09-2003
			NO 20024339 A	11-09-2002
			NZ 520624 A	27-02-2004
			US 2003176415 A1	18-09-2003
			ZA 200206467 A	13-11-2003
WO 2004004733	A	15-01-2004	CA 2460051 A1	15-01-2004
			WO 2004004733 A1	15-01-2004